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IFW 2634

TENT & THE			Application Number	09/849,309	
TRANSMITTAL			Filing Date	May 7, 2001	
FOR		al filing)	First Named Inventor	Shang-Ho TSAI	
			Group Art Unit	2634	
			Examiner Name	Stephen CHIN	
Total Number of Pages in This S	Submission 6	5	Attorney Docket Number	742433-11	
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Fee Transmittal Form  Fee Attached  Amendment / Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53		Contact   Cont	ion and Power of Attorney ng-related Papers to Convert to a Provisional	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Application Data Sheet Request for Corrected Filing Receipt with Enclosures A self-addressed prepaid postcard for acknowledging receipt Other Enclosure(s) (please identify below):  Request for Acknowledgement of Information Disclosure Statement Copy of Date Stamped Postcard Copy of IDS and Form 1449	
Ro		Remarks  The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number.			
	SIGNATUI	RE OF APPL	ICANT, ATTORNEY, C	DR AGENT	
Firm or Individual name	Nixon Peal 401 9 <sup>th</sup> Stre Suite 900	body LLP eet, N.W.	Registration No. 32,815		
Signature	<i>F</i> >_		11		
Date	September	28, 2004			
I hereby certify that this corn deposited with the class mail in an en Alexandria, VA 22	respondence United Stat velope addr 2313-1450 simile on the	e is being: es Postal Ser essed to: Ma	ail Stop, Con	below with sufficient postage as first mmissioner for Patents, P. O. Box 1450, ates Patent and Trademark Office at	
			Den.	Signature	
Date				Signature	
Typed or printed name					



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	)	Group Art Unit: 2634
Shang-Ho TSAI et al.	)	Examiner: Stephen CHIN
Serial No. 09/849,309	)	Confirmation No.: 8674
Filed: May 7, 2001	)	
For: METHOD AND APPARATUS FOR SELECTING AN OPTIMAL SWAPPING TECHNIQUE IN DISCRETE MULTI-TONE SYSTEM	)	Date: September 28, 2004

## REQUEST FOR ACKNOWLEDGMENT OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Alexandria, VA 22313-1450

Sir:

An Information Disclosure Statement with Form PTO-1449 was filed in the above-identified patent application on August 27, 2001. Applicants have not yet received back from the Examiner a copy of the Form PTO-1449 initialed to acknowledge the fact that the Examiner has considered the cited disclosed information.

The Examiner is requested to initial and return to the undersigned a copy of the subject Form PTO-1449.

Should there be any questions concerning this communication, please telephone the undersigned at the number set forth below.

Respectfully submitted,

Donald R. Studebaker Registration No. 32,815

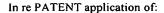
NIXON PEABODY LLP 401 9<sup>th</sup> Street, N.W. Suite 900 Washington, DC 20004-2128

(202) 585-8000



This will acknowledge receipt of the following:

- 1. Transmittal Letter (2 copies)
- 2. Information Disclosure Statement
- 3. PTO Form-1449 with copies of references listed thereon
- 4. Certificates of Mailing for each of the above



SHANG-HO TSAI et al Serial No. 09/849,309 Filed: 05/07/2001 Due Date: 09/07/2001

For: METHOD AND APPARATUS FOR SELECTING AN OPTIMAL SWAPPING TECHNIQUE IN

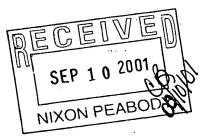
August 27, 2001

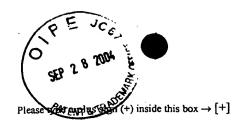
DISCRETE MULTI-TONE SYSTEM

Docket: 742433-000011

DRS/jms







PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it displays a valid OMB control number.

Index the Panerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM			Application Number		09/849,309	
			Filing Date		May 7, 2001	
FORIVI (to be used for all correspondence after initial filing)			First Named Inventor		Shang-Ho TSAI et al.	
			Group Art Unit		2631	
			Examiner Name			
Total Number of Pages in This Su	bmission		Attorney Docket Number	г	742433-11	
		ENCLOSU	RES (check all that appl	<i>y)</i>		
Fee Transmittal Form  Fee Attached  Drawing  Amendment / Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority  Assignm (for an A  Drawing  Petition  Petition  Provision  Provision  Change Address  Request		Application)  g(s)  ng-related Papers  to Convert to a  onal Application  of Attomey, Revocation  of Correspondence		y authorized to charge any additional fees ents to Deposit Account No. 19-2380 for		
under 37 CFR 1.52 or 1.53		E OF APPL	JCANT, ATTORNEY	OR A	GENT	
Firm or Individual name  SIGNATURE OF APPL  Donald R. Studebaker. Nixon Peabody LLP 8180 Greensboro Drive Suite 800 McLean, VA 22012			Reg. No. 32,815	- ORA		
Signature	المستنسق	MR.		>		
Date August 27, 2001						
CERTIFICATE OF MAILING						
I hereby certify that this corresponde envelope addressed to: Commission	er for Patents	leposited with t	the United States Postal Ser DC 20231 on this date:		th sufficient postage as first class mail in an	
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Signature Burden Hour Statement: This form	také 0.2 hours	to complete. Time will ve	J ary depe	Date <u>August 27, 2001</u> Inding upon the needs of the individual case.  This information Officer ILS Patent and		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Tradernark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



Apprication No. 09/849,309 Docket No. 742433-11

## MARKE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Pate	ent Application of:	)	
Shang-H	o TSAI et al.	)	
Serial No	o. 09/849,309	)	Group Art Unit: 2631
Filed: M	Iay 7, 2001	)	
SEI TE	ETHOD AND APPARATUS FOR LECTING AN OPTIMAL SWAPPING CHNIQUE IN DISCRETE MULTI-TONI STEM	) ) E)	

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on August 27, 2001.

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, DC 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

It is requested that the accompanying information disclosure statement be considered and made of record in the above-captioned application. To assist the Examiner, the documents are

Apprication No. 09/849,309 Docket No. 742433-11

listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

Donald R. Studebaker

Registration No. 32,815

Nixon Peabody LLP 8180 Greensboro Drive Suite 800 McLean, Virginia 22102 (703) 790-9110

PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute	for form 1449A/PTO			Complete if Known		
TRADE	DRAADYON I	DIGC.	OCUDE	Application Number	09/849,309	
INFO	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Filing Date	May 7, 2001	
STAT				First Named Inventor	Shang-Ho TSAI et al.	
				Group Art Unit	2631	
				Examiner Name		
Sheet	1	of	1	Attorney Docket Number	742433-11	

				U.S. PATENT DOCUMENT	rs	
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>1</sup> (if known)	Document		_
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.